

## ABSTRACT OF THE INVENTION

A fin assembly for a heat sink, has a plurality of metal plates stacked with each other. Each metal plate has a body member and a plurality of connecting structures protruding perpendicularly from the body member. Each of the body members is perforated with a plurality of through holes. Each of the connecting structures further has a partitioning part and a latching part extending from the partitioning part, the latching part is aligned with the corresponding through hole. Each latching part of each metal plate is inserted through the corresponding through hole of the metal plate placed in front. The latching part inserted through the corresponding through hole of the metal plate placed in front is bent as a hook. Preferably, each body member includes a top folded edge and a bottom folded edge along an elongate direction thereof, and the top and bottom folded edges are perpendicular to the body member.